

ASIMÉTRICAS									
INSTANCIA	NAIVE-BRUNO	NAIVE-FELIPE	EXATO**	M-SA (Felipe)		ACS (Bruno)		AS-ILS (Bruno)	
				Custo	TEMPO(s)	Custo	TEMPO(s)	Custo	TEMPO(s)
INST-A-10-3	823	574.417	431.583	660	3.16	676.833	0.513	687.083	0.133
INST-A-10-4	959.25	1042.33	467.6	784.25	4.24	601.083	0.866	523.567	0.184
INST-A-10-5	934.5	965.7	638.08	486.9	13.73	456.833	1.219	456.833	0.382
INST-A-20-3	901.167	1740.83	5515	722.5	12.81	655.667	3.177	577.167	0.689
INST-A-20-4	955	1812.83	5941	658.417	15.20	450.717	2.921	725.083	0.574
INST-A-20-5	641.467	1107.85	--	484.833	22.41	523.9	4.056	416.167	0.743
INST-A-30-3	1435	2308.67	--	1034.33	18.33	924.75	5.975	1049.33	0.847
INST-A-30-4	844.8	1358.03	--	632.417	80.36	615.533	13.684	795.817	3.017
INST-A-30-5	1040.5	2073.18	KILL	628.667	43.82	478.233	6.955	480.633	1.57
INST-A-40-3	1255.5	2984.92	--	1034.17	65.16	1168.92	19.505	1267.17	4.695
INST-A-40-4	1666.67	2764.47	KILL	1183.83	76.90	944.717	20.303	1154	3.796
INST-A-40-5	1122	2640.03	KILL	781.65	109.23	694.55	22.441	664.133	3.897
INST-A-50-3	--	--	--	1955.83	20.80	1453.3	12.487	1630.83	6.772
INST-A-50-4	--	--	--	1473.67	73.54	1240.63	28.352	1394.45	7.27
INST-A-50-5	--	--	--	1250.9	101.80	890.717	26.124	875.717	4.911
INST-A-100-3	--	--	--	3160.17	401.20	2442.67	36.576	3428.42	28.171
INST-A-100-4	--	--	--	3747.42	106.95	2556.43	18.168	3064.42	17.287
INST-A-100-5	--	--	--	3282.83	296.56	1831.63	31.662	1540.75	29.118
INST-A-200-3	--	--	--	7153	1052.43	5797.58	125.33	6702.42	58.304
INST-A-200-4	--	--	--	7413.25	683.02	3981.25	101.211	4562.67	91.412
INST-A-200-5	--	--	--	6009	3654.12	2435.22	255.548	3799.58	166.605
INST-A-500-3	--	--	--	17647.5	1047.24				
INST-A-500-4	--	--	--	17463.5	3487.21				
INST-A-500-5	--	--	--	17069.8	9606.95				
INST-B-10-3	947	1667	729.5	729.5	4.15	772.333	0.474	772.333	0.218
INST-B-10-4	814	658.133	395.6	382.167	8.40	355.317	1.643	387.067	0.389
INST-B-10-5	786.3	821.933	431.3	540.95	14.63	388.9	1.502	489.833	0.44
INST-B-20-3	1177.5	1621.25	5549	922	13.61	948.167	2.833	1143	0.636
INST-B-20-4	1390	2120.5	4504	1053.25	9.61	699.883	3.231	948	0.71
INST-B-20-5	1361	2193.17	3733	1062	11.51	507.883	3.191	698.167	0.514
INST-B-30-3	1551.3	2767.17	8451	1409.67	38.14	1201.67	10.982	1205.08	2.798
INST-B-30-4	1560	2644.33	6569	1217.75	45.90	1122.3	11.265	1050.9	2.85
INST-B-30-5	1027.17	2301.75	KILL	965.183	79.70	768.467	14.974	940.983	2.197
INST-B-40-3	1948	3440.75	KILL	1843.67	56.89	1872.33	19.531	1981.5	3.882
INST-B-40-4	2059.83	4231.83	9583	2013	22.95	2337.67	9.86	2568.67	2
INST-B-40-5	1983	3253.83	KILL	1622.33	113.14	1220.9	27.138	1573.47	5.383
INST-B-50-3	--	--	--	2286.33	41.04	2503	23.448	2739.33	3.918
INST-B-50-4	--	--	--	2248.08	155.33	1337.25	42.53	1698.5	10.744
INST-B-50-5	--	--	--	2493.83	105.31	1567.82	35.084	1821.88	5.821
INST-B-100-3	--	--	--	3470.33	331.59	3497.5	30.38	3780.75	36.668
INST-B-100-4	--	--	--	4875.33	719.05	3268.53	48.551	3444.08	44.061
INST-B-100-5	--	--	--	4886.5	310.60	2687.33	32.423	4099.18	32.258
INST-B-200-3	--	--	--	9799.5	1030.07	7120.5	130.568	8417.83	91.27
INST-B-200-4	--	--	--	9715	2103.93	4516.47	174.757	4409.77	109.57
INST-B-200-5	--	--	--	9497.33	3941.99	4759.97	255.478	4955.07	139.314
INST-B-500-3	--	--	--	23367.5	8962.21				
INST-B-500-4	--	--	--	--	--				
INST-B-500-5	--	--	--	--	--				

SIMÉTRICAS									
INSTANCIA	NAIVE-BRUNO	NAIVE-FELIPE	EXATO**	M-SA (Felipe)		ACS (Bruno)		AS-ILS (Bruno)	
				Custo	TEMPO(s)	Custo	TEMPO(s)	Custo	TEMPO(s)
INST-A-10-3	1172	1291.33	545.916	728.667	3.45	600	0.22	600	0.19
INST-A-10-4	971.833	827	460	460	6.43	529.75	0.646	600.25	0.376
INST-A-10-5	1018.75	855.9	412.73	435.933	17.78	326.333	1.238	405.717	0.707
INST-A-20-3	1226.5	1620.83	6931	871.167	07.06	676.417	1.424	942.5	0.536
INST-A-20-4	479.3	899.367	3936	418.417	26.30	416.583	3.197	374.75	1.144
INST-A-20-5	692	1008.78	18904	377.833	52.03	309.033	4.673	387.467	1.785
INST-A-30-3	1052.5	2528.5	--	843.667	9.67	699	3.071	871.917	1.703
INST-A-30-4	1190.67	2937.08	--	815.917	17.83	654.583	3.579	899.917	2.651
INST-A-30-5	1306.5	1935.63	--	679.85	93.67	542.333	9.57	680.433	6.374
INST-A-40-3	1591.17	3727.17	--	1289.83	25.26	1243.17	6.696	1544.17	6.147
INST-A-40-4	1328.33	2658.63	KILL	847.917	143.12	716.417	17.848	849.633	18.018
INST-A-40-5	1370.67	2340.23	KILL	893.917	122.96	602.283	16.486	614.483	16.604
INST-A-50-3	--	--	--	1556.33	43.97	1601.42	10.668	1749.17	11.828
INST-A-50-4	--	--	--	1311.42	104.87	1188.43	17.604	1194.25	17.023
INST-A-50-5	--	--	--	1256.75	325.03	637.367	23.314	749.867	35.628
INST-A-100-3	--	--	--	3197.5	168.14	2043.75	26.243	2169.67	19.374
INST-A-100-4	--	--	--	3081.33	436.69	1657.03	38.823	1707.42	24.136
INST-A-100-5	--	--	--	2756.63	693.29	1375.8	49.871	1400.23	39.422
INST-A-200-3	--	--	--	7432.33	607.47	3289.25	99.498	3250.75	46.626
INST-A-200-4	--	--	--	6632.5	1753.61	2889.3	174.408	2572.02	43.231
INST-A-200-5	--	--	--	7545.17	466.90	2680.43	87.229	2591.93	35.046
INST-A-500-3	--	--	--	16964.3	13166.58	7961.83	1984.9	12482.9	684.747
INST-A-500-4	--	--	--	--	--				
INST-A-500-5	--	--	--	--	--				
INST-B-10-3	1105	1819	834.667	929.167	04.04	972	0.381	927	0.192
INST-B-10-4	978.25	1382.25	578.73	599.833	11.97	470.817	0.978	404.5	0.451
INST-B-10-5	1208.5	1440.17	748.35	861.9	7.71	657.8	0.644	731.25	0.276
INST-B-20-3	1313	2177.67	1946	960.333	09.08	1253	1.681	1077.83	0.993
INST-B-20-4	1452	1895.15	--	968.833	19.68	886.1	2.641	1426.83	0.789
INST-B-20-5	1153.5	1876.13	--	738.967	22.47	441.05	2.816	621.533	1.564
INST-B-30-3	1438	3124.67	8194	1054.83	25.43	1403.83	4.591	1356.67	3.564
INST-B-30-4	1184	2358.75	8603	1040.17	33.58	504.9	5.046	562.15	2.87
INST-B-30-5	879.75	2211.72	--	789.933	113.59	515.783	9.654	585.783	5.645
INST-B-40-3	1417.17	3361.33	11887.5	1312	51.93	1207.08	12.445	1274.17	8.874
INST-B-40-4	1810	4147.83	KILL	1197.83	75.41	841.917	11.553	849	10.53
INST-B-40-5	1559.33	3448.95	KILL	1084	96.15	671.817	14.646	699.283	15.124
INST-B-50-3	--	--	--	1724.33	115.03	1308.75	9.619	1205.33	19.09
INST-B-50-4	--	--	--	1611.33	163.83	864.5	12.485	1018.25	22.785
INST-B-50-5	--	--	--	1483.58	137.06	793.217	12.007	768.633	24.173
INST-B-100-3	--	--	--	4208.67	105.85	1898.58	22.664	1845.42	11.496
INST-B-100-4	--	--	--	4301.5	78.62	3815.5	17.071	4841.83	11.085
INST-B-100-5	--	--	--	3247.37	1315.21	1510.75	75.691	1447.5	53.849
INST-B-200-3	--	--	--	7606	675.84	3078.58	140.269	5873.58	71.11
INST-B-200-4	--	--	--	7145.83	1935.73	2906.75	219.635	3490.2	99.533
INST-B-200-5	--	--	--	6833	2796.48	2470.15	267.345	3015.63	106.269
INST-B-500-3	--	--	--	--	--	7673.08	2027.72	12615	290.084
INST-B-500-4	--	--	--	--	--				
INST-B-500-5	--	--	--	--	--				